

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NORTH ALGER #27-411			
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES			
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME NORTH ALGER			
6. NAME OF OPERATOR KOCH EXPLORATION COMPANY LLC						7. OPERATOR PHONE 303 325-2562			
8. ADDRESS OF OPERATOR 9777 Pyramid Court Ste 210, Englewood, CO, 80112						9. OPERATOR E-MAIL howard4d@kochind.com			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU49518, UTU-49519			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	780 FSL 233 FWL	SWSW	27	10.0 S	19.0 E	S
Top of Uppermost Producing Zone	1650 FSL 990 FEL	NESE	28	10.0 S	19.0 E	S
At Total Depth	1650 FSL 990 FEL	NESE	28	10.0 S	19.0 E	S

21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 233		23. NUMBER OF ACRES IN DRILLING UNIT 640	
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2150		26. PROPOSED DEPTH MD: 10646 TVD: 10300	
27. ELEVATION - GROUND LEVEL 5255		28. BOND NUMBER COB000296		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2231, 43-8496, 49-1645	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 2500	32.0	J-55 LT&C	0.2	Type V	231	3.82	11.0
							Class G	473	1.15	15.8
PROD	7.875	4.5	0 - 10646	32.0	L-80 LT&C	13.0	Premium Lite High Strength	612	1.79	12.0
							Premium Lite High Strength	1428	1.27	13.5

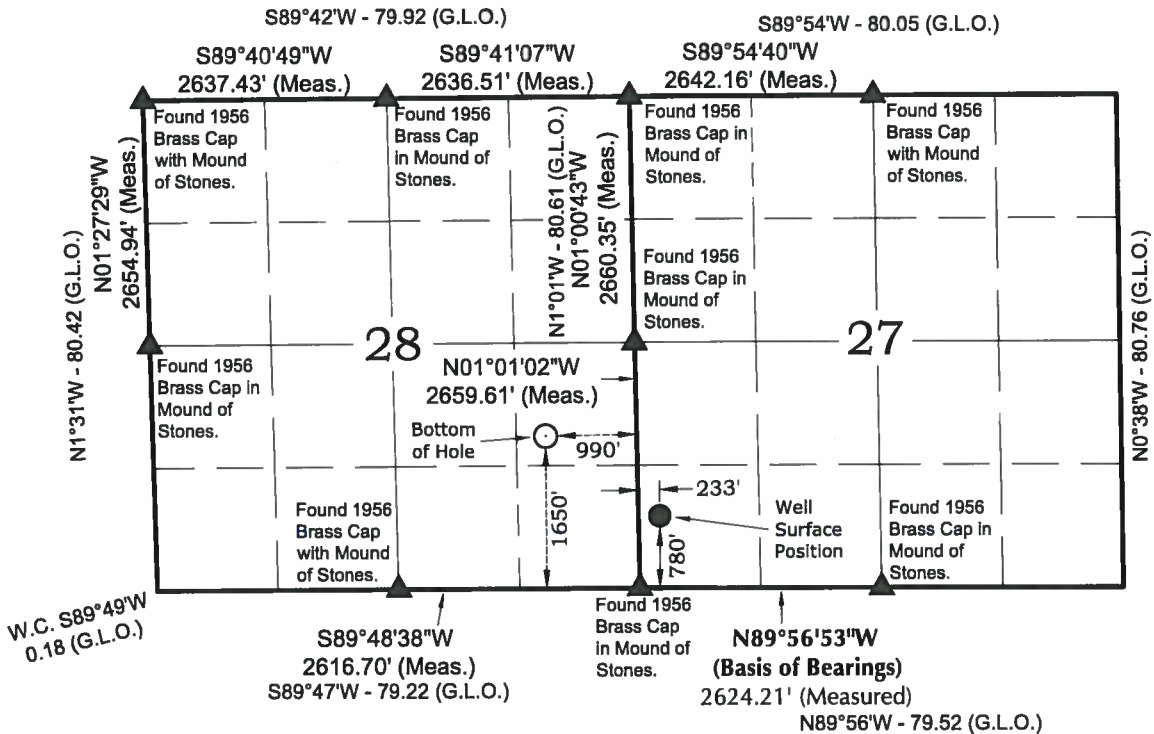
ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Janni Keidel		TITLE Operations/Regulatory Coordinator	PHONE 303 325-2578
SIGNATURE		DATE 10/25/2013	EMAIL janni.keidel@kochind.com
API NUMBER ASSIGNED 43047540750000		APPROVAL Permit Manager	

T10S, R19E, S.L.B.&M.



WELL LOCATION:

NORTH ALGER 27-41I

ELEV. UNGRADED GROUND = 5258.3'

NORTH ALGER 27-41I (Surface Position)

NAD 83 LATITUDE = 39.912996° (39° 54' 46.785")
 LONGITUDE = 109.776607° (109° 46' 35.785")
 NAD 27 LATITUDE = 39.913031° (39° 54' 46.912")
 LONGITUDE = 109.775911° (109° 46' 33.279")

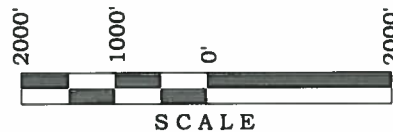
NORTH ALGER 27-41I (Bottom Hole)

NAD 83 LATITUDE = 39.915373° (39° 54' 55.345")
 LONGITUDE = 109.781022° (109° 46' 51.680")
 NAD 27 LATITUDE = 39.915409° (39° 54' 55.472")
 LONGITUDE = 109.780326° (109° 46' 49.173")

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears N55°01'35"W 1511.73' from the Surface Position.
- Basis of elevation is the South 1/4 Corner of Section 27, T10S, R19E, S.L.B.&M. (Being a 1956 Brass Cap). The elevation of this Section Corner was Calculated using an NGS OPUS Solution report to be 5279.5' (NAVD 88).



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John R. Laugh
 PROFESSIONAL LAND SURVEYOR
 REGISTRATION No. 6028691
 STATE OF UTAH

Koch Exploration Company, LLC

950 17th Street, Suite 1900 - Denver, Colorado 80202

WELL PAD: 27-41

NORTH ALGER 27-41I WELL PLAT

1650' FSL, 990' FEL (Bottom Hole)
 NE ¼ SE ¼ OF SECTION 28, T10S, R19E,
 S.L.B.&M., UTAH COUNTY, UTAH.

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 1-31-13	SURVEYED BY: A.F.	SHEET NO:
DATE DRAWN: 8-15-13	DRAWN BY: T.J.R.	2J
SCALE: 1" = 2000'	Date Last Revised:	OF 12